



# ENGINEERING NEWSLETTER

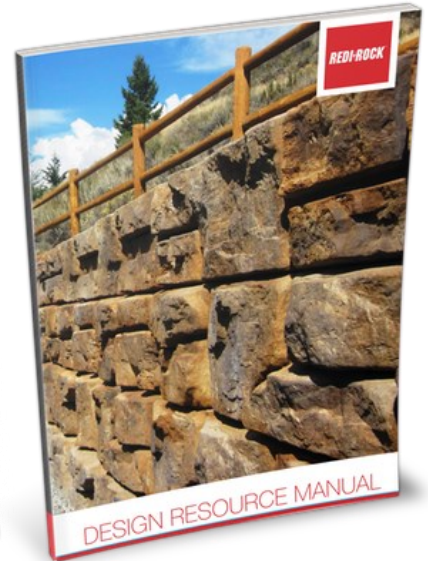
APRIL 2017  
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## STORMWATER TREATMENT—UNI-STORM



# STORMWATER TREATMENT SYSTEMS & PRECAST

## Stormwater Treatment Systems & Precast:

Project 2016 StormPro - D263118 - NYS Rt. 62 Wheatfield, NY, Bid 2-18-16.

Location: NYS Rt. 62 Wheatfield, NY

Owner: NYSDOT - Engineer: Env 21 LLC.

Contractor: Oakgrove Construction Inc.

Product Designation: 4 - Precast Concrete Storm Water Treatment Systems - SWTS.



### Unique Issues:

- All SWTS meet NJCAT Standards
  - 3 - StormPro units 5' x 10' x 5' , 1 - SWTS # 4-1 - 8' x 16' x 8'
  - **Precast is the material of choice for Storm Water Treatment units...**
  - Note: SWTS are sized & must meet: Specified Water Quality Treatment Flow Rate (WQFR) without scour. This is Typically measured in CFS - Cubic Feet per min.
  - Pics detail installation of SWTS # 4-1 - 8' x 16' x 8'.
  - Max Wt. Barrel @ 20 Ton, Top & Bottom slabs apx. 10 Tons ea..
  - Note: 4 way equalization Sling is used for proper & safe Lifting.
- SWTS # 4-1 - 8' x 16' x 8' - Vault install time apx. 3 hours.



Install Date: 10-13-16 - SWTS # 4-1 - 8' x 16' x 8'

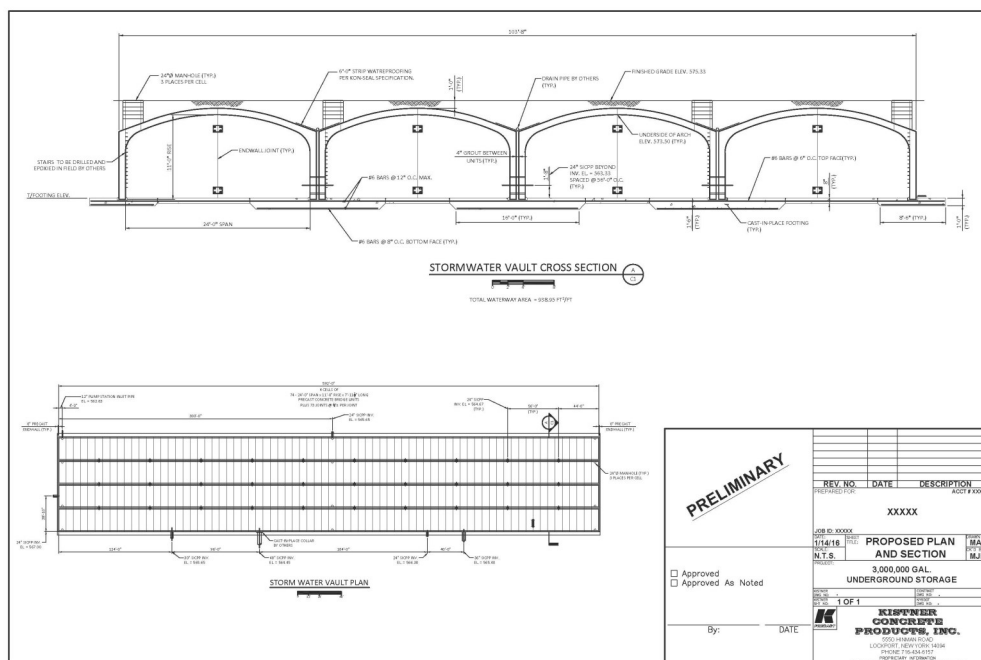


# STORMWATER DETENTION

## Storm Water Detention – Retention Structure



# STORMWATER VAULT CROSS SECTION



# NIAGARA FALLS AIR RESERVE STATION



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